

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

HOT AND DRY CONDITIONS PERSIST

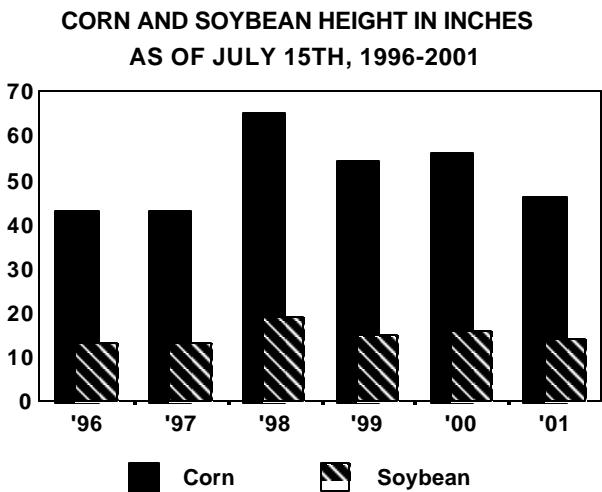
Hot and dry conditions persist across the state, according to the Minnesota Agricultural Statistics Service. Several weeks have passed since the state has received substantial precipitation. Producers are concerned that crop development will be slowed due to the lack of topsoil moisture. Row crops and small grains are showing signs of moisture stress. Corn leaves are rolling in many areas across the state. Small grains are being pushed to early maturity. They are turning ripe before the heads have finished filling.

Corn height averaged 46 inches, an increase of 11 inches. This height compares to 61 inches last year and 56 inches for the 5-year average. Corn is 1% tasseling, compared to 25% last year and 22% for the 5-year average. Corn condition is rated 42% good to excellent, down 14 percentage points from the previous week.

Soybean height averaged 14 inches, compared with 17 inches a year ago and 16 inches for the 5-year average. Soybeans are 22% blooming, behind last year's 51% and the 5-year average of 38%. Soybeans have not begun to set pods, compared to 4% last year and for the 5-year average. The soybean condition rating of good to excellent is 41%, compared to last week's rating of 52%.

Spring wheat is 97% jointed, compared with 99% last year and 98% for the 5-year average. Spring wheat is heading on 82% of the acres, compared to 99% a year ago and 87% for the 5-year average. Spring wheat conditions are rated 73% good to excellent, compared to the rating the previous week of 72%.

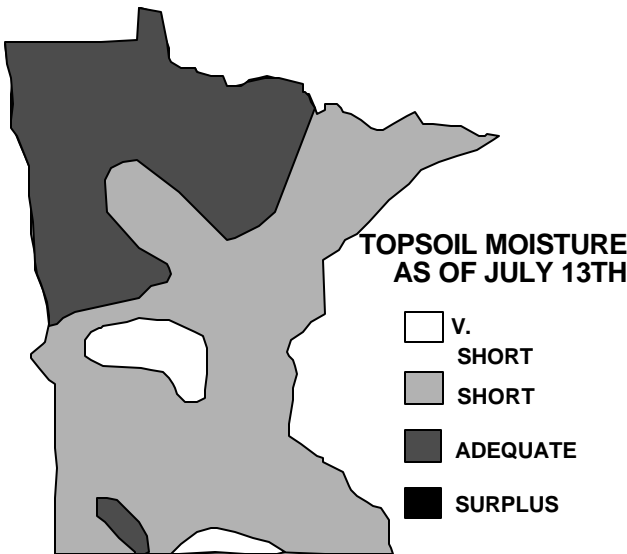
Pasture conditions are rated as 34% good to excellent, down from last week's rating of 64%. The lack of moisture has stressed pasture and grasses.



Miste Salmon
Agricultural Statistician

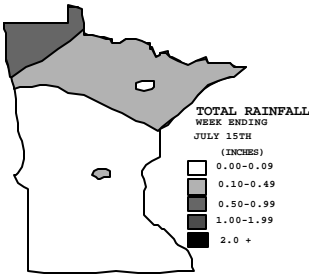
Days Suitable for Fieldwork: 6.8					
		Very Short	Short	Ade-quate	Surplus
Topsoil Moisture (%)		20	50	30	0
Crop Progress as of July 15, 2001					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Height-Inches	56	61	35	46
	Tasseling	22	25	0	1
Soybeans	Height-Inches	16	17	10	14
	Blooming	38	51	9	22
Spring Wheat	Setting Pods	4	4	NA	0
	Jointed	98	99	88	97
	Heading	87	99	54	82
Oats	Turning Ripe	20	27	0	8
	Jointed	99	99	96	99
	Heading	95	99	76	90
Barley	Turning Ripe	39	57	5	22
	Jointed	98	99	90	98
	Heading	86	98	54	80
	Turning Ripe	21	36	0	8
Crop Condition as of July 13 th					
	V. Poor	Poor	Fair	Good	Exc.
Pasture	4	18	44	30	4
Corn	4	14	40	37	5
Soybeans	5	13	41	37	4
Spring Wheat	2	5	20	58	15
Oats	2	12	28	44	14
Barley	1	7	20	55	17
Dry Beans	3	9	24	57	7
Potatoes	1	3	18	46	32
Sunflowers	1	5	21	61	12
Canola	0	1	22	62	15
Sugarbeets	2	8	24	52	14

Topsoil moisture conditions across the state as of July 13th were rated 20% very short, 50% short, and 30% adequate.



Michael Hunst
State Statistician

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 15, 2001:
Temperatures averaged from 2.7 degrees above normal in the Northwest District to 0.8 degree above normal in the Northeast District. Extremes: 43° in Hibbing; 96° in Canby. Precipitation averaged from 0.95 inch below normal in the South Central District to 0.15 inch below normal in the Northwest District. Greatest weekly total was 0.92 inch.



Precipitation and Temperature Summary for 07/09/2001 through 07/15/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	88	55	71.7	2.1	.65	.02	-1.61	-2.22	907	-15
Moorhead	91	57	74.0	2.9	0	-.62	-1.85	.24	956	-21
Warroad	88	54	70.5	3.2	.92	.14	.17	4.95	828	34
<u>NC DIST 2</u>										
Grand Rapids	92	47	70.0	2.7	.18	-.71	-3.41	2.82	876	77
Intl. Falls	87	45	67.4	.6	.33	-.50	-2.68	1.70	798	25
Itasca	90	49	69.7	2.2	0	-.76	-1.98	.60	821	10
<u>NE DIST 3</u>										
Duluth	87	48	67.6	1.5	.20	-.61	-2.11	4.08	714	22
Grand Marais	91	47	62.2	1.3	.36	-.38	-1.72	5.21	362	-115
Hibbing	86	43	65.2	-.5	.04	-.83	-2.70	-.58	749	33
<u>WC DIST 4</u>										
Alexandria	89	56	73.4	2.0	0	-.68	-2.27	-2.05m	917	-64
Browns Valley	92	53	73.8	1.7	0	-.68	-2.24	2.81	982	-35
Canby	96	54	75.0	1.1	0	-.87	-2.53	4.71	1048	-58
Fergus Falls	91	60	75.2	4.7	0	-.75	-2.34	3.96	988	37
Montevideo	93	56	72.2	-.3	0	-.69	-1.72	4.06	958	-106
Morris	89	58	72.7	1.9	0	-.76	-1.53	4.08	981	1
<u>CENT DIST 5</u>										
Becker	94	55	74.0	3.7	0	-.86	-3.35	2.55	975	37
Hutchinson	95	56	74.9	2.4	0	-.77	-3.12	2.41	1022	-36
Olivia	92	55	73.7	.6	0	-.77	-3.14	.85	1017	-84
St. Cloud	95	52	71.5	1.3	.11	-.57	-2.96	4.09	910	-22
Staples	89	51	70.8	2.0	0	-.86	-.68	6.20	866	-8
Willmar	92	57	74.0	2.1	0	-.80	-2.88	-.03	992	-45
<u>EC DIST 6</u>										
Aitkin	89	48	70.4	2.2	0	-.93	-3.44	4.20	888	45
Cambridge	89m	51m	67.9m	-2.9m	0	-.86	-3.22m	5.37m	749m	-225m
MSP Airport	95	62	77.1	3.4	0	-.79	-2.69	6.28	1065	-31
St. Paul - UofM	92	59	75.6	1.7	0	-.90	-3.66	4.21	1077	-57
<u>SW DIST 7</u>										
Lamberton	92	53	72.7	.3	0	-.87	-2.94	1.76	1009	-79
Pipestone	91	56	73.5	2.0	0	-.79	-1.64	4.63	997	-9
Redwood Falls	95	57	74.7	.8	0	-.95	-2.25	.99	1022	-127
Worthington	91	55	74.2	2.4	0	-.74	-2.98	4.82	1034	-1
<u>SC DIST 8</u>										
Faribault	93	55	72.8	.9	0	-.95	-3.23	3.96	963	-74
Waseca	93	59	74.2	2.9	0	-.95	-3.06	4.36	1015	-19
Winnebago	93	51	74.2	2.1	0	-.95	-3.81	4.04	1027	-34
<u>SE DIST 9</u>										
Preston	94	50	70.7	.3	0	-.95	-3.64	1.37	944	-26
Red Wing	95	57	73.8	3.6	0	-1.00	-3.55	.56	998	64
Rochester	91	57	72.7	1.7	0	-.96	-3.49	7.67	933	-67
Rosemount	93	56	74.3	2.6	0	-.91	-3.50	1.66	971	-53
Winona	93	54	74.3	1.4	0	-.92	-2.67	2.12	975	-87

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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